

1999 PCB PROJECT - BROOKNEAL FOLLOW UP SEDIMENT ONLY SURVEY RESULTS - halogenated compounds

DEQ site#	Sampling Date	Stream name/location/description	%	(ppb) ¹													
			TOC	Detection	Total	Total	Total	Total	Octachloro	Heptachlor	gamma	Total	Hepta-	HCb	anisole	Aldrin	MW315 ⁵
				Limit (MDL)	PCB	Chlordane	DDT	BDE ²	dibenzodioxin	epoxide	BHC ³	BHC ³	chlor		5CL ³		
		Effects Range-Low	>>>>>>		22.7	0.5	1.58	*	*	*	*	*	*	*	*	*	
		Effects Range-Median	>>>>>>		180	6	46.1	*	*	*	*	*	*	*	*	*	
1	06/02/99	Unnamed trib near Rt. 501,south side	1.314	0.329	175	1.83				4.51	3.20	3.20					
2	06/02/99	Roanoke River at Rt. 501, south bank	0.371	0.338	ND	ND	ND	ND									
3	06/02/99	Roanoke River at Rt. 501, middle	0.096	0.33	ND												
4	06/02/99	Unnamed trib near Rt. 501,north side	1.101	0.359	9.45												
5	06/02/99	Roanoke River at Rt. 501, north bank	0.372	0.369	ND	ND	ND	ND									
6	06/02/99	Tanyard Branch, downstream of lagoon	0.941	0.37	ND	ND	ND	ND									
7	06/02/99	Roanoke River, downstream of lagoon outfall	0.628	0.33	ND	ND	ND	ND									
8	06/02/99	Unnamed trib across from Tanyard Branch,south side	0.328	0.361	1.50												
9	06/02/99	Roanoke River, downstream of Tanyard Branch	1.671	0.373	2730	77.7	61.0										
10	06/02/99	Roanoke River, downstream of Hatchery Water Intake	0.754	0.362	ND	ND	ND	ND									
11	06/02/99	Directly across from site of sample # 10	0.675	0.343	ND												
12	06/02/99	Unnamed tributary across from Hatchery	0.851	0.441	6.23												
13	06/02/99	Roanoke River upstream of Hatchery culvert, south bank	0.295	0.362	ND												
14	06/02/99	Roanoke River upstream of rusty culvert, north bank	0.438	0.382	ND	ND	ND	ND									
15	06/03/99	Falling River, downstream of lagoon outfall	0.136	0.301	ND	ND	ND	ND									
16	06/03/99	North bank, downstream of last set of Hatchery Ponds	0.224	0.33	ND	ND	ND	ND									
17	06/03/99	South bank,across from sample #16 of Roanoke River	0.452	0.273	ND	ND	ND	ND									
18	06/03/99	Unnamed tributary downstream of sample # 17	1.240	0.44	2.60												
19	06/03/99	North bank, downstream of Railroad (RR) Bridge	0.689	0.331	ND	ND	ND	ND									
20	06/03/99	Middle, just downstream of RR Bridge trestle	0.187	0.312	ND												
21	06/03/99	Downstream of RR Bridge,south side of sandy island	0.337	0.349	ND												

¹ ppb denotes parts per billion (dry weight basis)

² BDE denotes polyBrominated Diphenyl Ether

³ BHC denotes Benzene Hexachloride (gammaBHC is Lindane)

⁴ HCB denotes Hexachlorobenzene

⁵ -5CL anisole denotes pentachloro anisole

⁶ MW315, likely N-containing, 1-2 Cl (no MS run)

Effects Range Low or Median not available